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EXAMINER

LAJ, MICHAEL C

ART UNIT

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2457

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/556,225

Applicant(s)

KOHNEKE, AXEL

Examiner

MICHAEL C. LAI

Art Unit

2457

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 October 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6, 8-11, 13-16 and 18-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6, 8-11, 13-16 and 18-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SI/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. This office action is responsive to communication filed on 10/22/2008.

Response to Arguments

2. Applicant's arguments, see pages 2-4, filed 10/22/2008, with respect to the rejection(s) of claim(s) 1, 9, 14, 18, 19 and 20 under 35 U.S.C. 102(e) have been fully considered and are persuasive. Therefore, the final rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Samarasinghe (US 7,180,912 B1).

Specification

3. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Claim Objections

4. Claims 1-6, 8-11, 13-16 and 18-20 are objected to because of the following informalities: "Method" should be "A method" in line 1 of claims 1, 9, 14. "Computer" should be "A computer" in line of claims 15-16. "Communication"

should be "A communication" in line 1 of claim 18. "Network" should be "A network" in line 1 of claim 19. "System" should be "A system" in line 1 of claim 20. "Method" should be "The method" in line 1 of claims 2-7, 8, 10-11, 13.

Appropriate correction is required.

5. Claims 15 and 16 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Note that claims 1 and 9 are method claims, but claims 15 and 16 are product claims.

Claim Rejections - 35 USC § 112

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claim 18 is rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential elements, such omission amounting to a gap between the elements. See MPEP § 2172.01. The omitted elements are: CPU, display, and user interface. See Fig. 4a.
8. Claim 19 is rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential elements, such omission amounting to a gap between the elements. See MPEP § 2172.01. The omitted elements are: CPU and information database. See Fig. 4b.
9. Claim 20 is rejected for similar reasons as for claims 18 and 19 above.

Claim Rejections - 35 USC § 103

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

11. Claims 1-4, 6, 8-11, 13-16, and 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over De Beer (2003/0165227, hereinafter De Beer), and in view of Samarasinghe (US 7,180,912 B1, hereinafter Samarasinghe).

Regarding claim 1, De Beer discloses a method comprising:

coding a request comprising one or more telephone numbers [para. 52, step 43, generates a request message in the SMS format];

transmitting said request to a network serving entity for performing said network information retrieval [para. 53, step 45];

receiving a response from said network serving entity, said response comprising network information associated with said one or more telephone numbers [para. 0054, updating information and service provider; para. 0055, step 47; para. 0056, "the routing data may comprise a prefix code to be added to the input telephone number stored in the buffer memory 90 by the processor 30"];

decoding said response to extract said network information [para. 0055, lines 1-6]; and

storing said network information in conjunction with said one or more telephone numbers [para. 0055, step 48].

De Beer discloses the claimed invention except for the identification of the network operator providing services to the destination number. Samarasinghe discloses a network operator identification for a Called Party Number and other information [col. 9, lines 16-60, INVITE sip:+**732.420.4699@att.com**; user=phone SIP/2.0.]. It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Samarasinghe's teaching into De Beer's method for the purpose of providing a direct multi-media interface with SIP-enabled communication devices by associating a network operator identification with the destination telephone number, thereby supporting preliminary multi-media communications between the multi-media communication service provider system and the number of SIP-enabled communication devices operating on the WAN [col. 1, lines 42-48].

Regarding claim 2, De Beer and Samarasinghe further discloses a method according to claim 1, wherein the response is structured into at least one information record, said information record includes one telephone number of said one or more telephone numbers and a network operator providing services to said one telephone number [De Beer, FIG. 6 and para. 0054; Samarasinghe, col. 9, lines 16-36].

Regarding claim 3, De Beer further discloses a method according to claim 1, further comprising:

selecting said one or more telephone numbers from a plurality of telephone numbers stored in a telephone directory of a communication terminal [para. 0123, phonebook].

Regarding claim 4, De Beer further discloses a method according to claim 3, wherein said selecting is performed manually by a user of said communication terminal [para. 0052].

Regarding claim 6, De Beer further discloses a method according to claim 2, wherein storing said network information comprises:

identifying at least one telephone directory entry in a telephone directory of a communication terminal on the basis of said one telephone number that is included in said information record [para. 0057];

storing said network information by including said network information into said at least one identified telephone directory entry [para. 0055, step 48].

Regarding claim 8, De Beer further discloses a method according to claim 1, wherein said network information further comprises charging information [para. 0004, updating information and charging rate].

Regarding claim 9, De Beer discloses a method comprising:

receiving a request from a communication terminal, wherein said request comprises one or more telephone numbers [para. 0054, note that "the control center responds by sending a response message to the mobile" implies that it has received a request from the mobile.];

decoding said request to extract said one or more telephone numbers [para. 0053, note that the mobile sending the request message in SMS format to the control center implies the message must be decoded by the control center];

retrieving network information associated with said one or more telephone numbers [FIG. 2 and para. 0038, the control center 7 and the database 10; para. 0054, updating information and service provider];

coding a response which comprises said retrieved network information [para. 0055, note that decoding the response message from the control center implies coding the response message by the control center]; and

transmitting said response to said communication terminal [para. 0054, step 46].

De Beer discloses the claimed invention except for the identification of the network operator providing services to the destination number. Samarasinghe discloses a network operator identification for a Called Party Number and other information [col. 9, lines 16-36, INVITE sip:+732.420.4699@att.com; user=phone SIP/2.0.]. It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Samarasinghe's teaching into De Beer's method for the purpose of providing a direct multi-media interface with SIP-enabled communication devices by associating an network operator identification with the destination telephone number, thereby supporting preliminary multi-media communications between the multi-media

communication service provider system and the number of SIP-enabled communication devices operating on the WAN [col. 1, lines 42-48].

Regarding claim 10, De Beer and Samarasinghe further discloses a method according to claim 9, wherein retrieving network information comprises accessing a data storage which stores network information identifying one or more network operators providing services to a plurality of telephone numbers [De Beer, FIG. 2 and para. 0038, the control center 7 and the database 10; Samarasinghe, col. 9, lines 16-36].

Regarding claim 11, De Beer and Samarasinghe further discloses a method according to claim 9, wherein said response is structured into at least one information record including one telephone number of said one or more telephone numbers and a network operator providing services to said one telephone number [De Beer, para. 0055, note that decoding the response message from the control center implies coding the response message by the control center; Samarasinghe, col. 9, lines 16-36].

Regarding claim 13, De Beer further discloses a method according to claim 9, wherein said network information further comprises charging information [para. 0004, updating information and charging rate].

Regarding claim 14, De Beer discloses a method comprising:

coding a request, which comprises one or more telephone numbers, in a communication terminal [para. 52, step 43, generates a request message in the SMS format];

transmitting said request to a network serving entity for performing a network information retrieval [para. 53, step 45];

receiving said request by the network serving entity [para. 0054, note that "the control center responds by sending a response message to the mobile" implies that it has received a request from the mobile.];

decoding said request in said network serving entity to extract said one or more telephone numbers [para. 0053, note that the mobile sending the request message in SMS format to the control center implies the message must be decoded by the control center];

retrieving network information associated with said one or more telephone numbers [para. 0056, "the routing data may comprise a prefix code to be added to the input telephone number stored in the buffer memory 90 by the processor 30"];

coding a response, which comprises said retrieved network information, in said network serving entity [para. 0055, note that decoding the response message from the control center implies coding the response message by the control center];

transmitting said response to said communication terminal [para. 0054, step 46];

receiving said response by said communication terminal [para. 0054, updating information and service provider; para. 0055, step 47; para. 0056, "the routing data may comprise a prefix code to be added to the input telephone number stored in the buffer memory 90 by the processor 30"];

decoding said response in said communication terminal to extract said network information [para. 0055, lines 1-6]; and

storing said network information in conjunction with said one or more telephone numbers [para. 0055, step 48].

De Beer discloses the claimed invention except for the identification of the network operator providing services to the destination number. Samarasinghe discloses a network operator identification for a Called Party Number and other information [col. 9, lines 16-36, INVITE sip:+732.420.4699@att.com; user=phone SIP/2.0.]. It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Samarasinghe's teaching into De Beer's method for the purpose of providing a direct multi-media interface with SIP-enabled communication devices by associating an network operator identification with the destination telephone number, thereby supporting preliminary multi-media communications between the multi-media communication service provider system and the number of SIP-enabled communication devices operating on the WAN [col. 1, lines 42-48].

Claim 15 is of the same scope as claim 1. It is rejected for the same reason as for claim 1.

Claim 16 is of the same scope as claim 9. It is rejected for the same reason as for claim 9.

Regarding claim 18, De Beer discloses Communication terminal, comprising:

- a coding component of a central processing unit for coding a request which includes one or more telephone numbers [para. 52, step 43, generates a request message in the SMS format];
- a communication interface for transmitting said request and for receiving a response in accordance with said request [para. 53, step 45];
- a decoding component of the central processing unit for decoding said response; wherein said response comprises network information associated with said one or more telephone numbers [para. 0055, lines 1-6]; and
- a data storage for storing said network information in a telephone directory of said communication terminal; wherein said network information is stored in conjunction with said one or more telephone numbers [para. 0055, step 48].

De Beer discloses the claimed invention except for the identification of the network operator providing services to the destination number. Samarasinghe discloses an network operator identification for a Called Party Number and other information [col. 9, lines 16-36, INVITE sip:+732.420.4699@att.com; user=phone SIP/2.0.]. It would have been obvious to a person with ordinary skill

in the art at the time the invention was made to incorporate Samarasinghe's teaching into De Beer's method for the purpose of providing a direct multi-media interface with SIP-enabled communication devices by associating an network operator identification with the destination telephone number, thereby supporting preliminary multi-media communications between the multi-media communication service provider system and the number of SIP-enabled communication devices operating on the WAN [col. 1, lines 42-48].

Regarding claim 19, De Beer discloses Network serving entity, comprising:

a communication interface for receiving a request from a communication terminal and for transmitting a response to said communication terminal;
a decoding component for decoding said request which includes one or more telephone numbers [para. 0054, note that "the control center responds by sending a response message to the mobile" implies that it has received a request from the mobile.];

a retrieving component for retrieving network information associated with said one or more telephone numbers [para. 0056, "the routing data may comprise a prefix code to be added to the input telephone number stored in the buffer memory 90 by the processor 30"]; and

a coding component for coding said response which comprises said retrieved network information [para. 0055, note that decoding the response

message from the control center implies coding the response message by the control center].

De Beer discloses the claimed invention except for the identification of the network operator providing services to the destination number. Samarasinghe discloses an network operator identification for a Called Party Number and other information [col. 9, lines 16-36, INVITE sip:+732.420.4699@att.com; user=phone SIP/2.0.]. It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Samarasinghe's teaching into De Beer's method for the purpose of providing a direct multi-media interface with SIP-enabled communication devices by associating an network operator identification with the destination telephone number, thereby supporting preliminary multi-media communications between the multi-media communication service provider system and the number of SIP-enabled communication devices operating on the WAN [col. 1, lines 42-48].

Regarding claim 20, De Beer discloses System comprising at least one communication terminal and at least one network serving entity, wherein said at least one communication terminal comprises:

a coding component of a central processing unit for coding a request which includes one or more telephone numbers [para. 52, step 43, generates a request message in the SMS format];

a communication interface for transmitting said request to said network serving entity and for receiving a response in accordance with said request from said network serving entity [para. 53];

a decoding component of the central processing unit for decoding said response-wherein said response comprises network information associated with said one or more telephone numbers [para. 0055, lines 1-6]; and

a data storage for storing said network information in a telephone directory of said communication terminal; wherein said network information is stored in conjunction with said one or more telephone numbers [para. 0123, phonebook]; and wherein said at least one network serving entity comprises:

a communication interface for receiving a request from said communication terminal and for transmitting a response to said communication terminal [para. 0054, note that "the control center responds by sending a response message to the mobile" implies that it has received a request from the mobile.];

a decoding component for decoding said request which includes one or more telephone numbers [para. 0053, note that the mobile sending the request message in SMS format to the control center implies the message must be decoded by the control center];

a retrieval component for retrieving network information associated with said one or more telephone numbers [para. 0056, "the routing data may

comprise a prefix code to be added to the input telephone number stored in the buffer memory 90 by the processor 30"; and

a coding component for coding said response which comprises said retrieved network information [para. 0055, note that decoding the response message from the control center implies coding the response message by the control center].

De Beer discloses the claimed invention except for the identification of the network operator providing services to the destination number. Samarasinghe discloses an network operator identification for a Called Party Number and other information [col. 9, lines 16-36, INVITE sip:+732.420.4699@att.com; user=phone SIP/2.0.]. It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Samarasinghe's teaching into De Beer's method for the purpose of providing a direct multi-media interface with SIP-enabled communication devices by associating an network operator identification with the destination telephone number, thereby supporting preliminary multi-media communications between the multi-media communication service provider system and the number of SIP-enabled communication devices operating on the WAN [col. 1, lines 42-48].

12. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over De Beer and Samarasinghe as applied to claim 3, and further in view of Tomiyori (US 5,305,372, hereinafter Tomiyori).

Regarding claim 5, De Beer and Samarasinghe disclose a method according to claim 3, but silent about wherein said selecting is performed automatically in accordance with a pre-defined selection definition. However, Tomiyori teaches a speed dialing memory storing a plurality of destination address numbers corresponding to user-defined speed dialing codes [col. 1, lines 44-50 and col. 2, lines 61-68]. It would have been obvious to a person with ordinary skill in the art at the time the invention was made to incorporate Tomiyori's teaching into De Beer's and Samarasinghe's method for the purpose of speed dialing by a pre-defined selection definition, thereby providing a more user friendly service.

Conclusion

Examiner's Note: Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Lai whose telephone number is (571) 270-3236. The examiner can normally be reached on M-F 8:30 - 5:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael C. Lai
18FEB2009

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